

Converting Colors

XYZ(29.4978, 47.9183, 19.0229)

Have a look what the booklet for
XYZ(29.4978, 47.9183, 19.0229)
contains.

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Color

**XYZ(29.6161, 48.1414,
19.0405)**

Conversions

Conversions Part 1

Format	Color
Hex	63CF61
RGB	99, 207, 97
RGB Percent	39%, 81%, 38%
CMY	0.6118, 0.1882, 0.6196
CMYK	0.52, 0.00, 0.53, 0.19
HSL	119°, 53%, 60%
HSV	119°, 53%, 81%
XYZ	29.6161, 48.1414, 19.0405
YIQ	162.1680, -29.0580, -57.1060

Conversions

Conversions Part 2

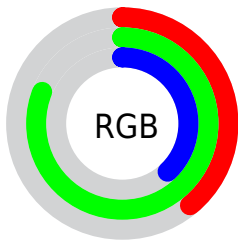
Format	Color
RYB	97, 207, 205
Decimal	6541153
CIELab	74.91, -52.90, 44.91
CIElCh	75, 69.388, 139.670
Yxy	48.1414, 0.3060, 0.4973
Android (android.graphics.Color)	4284731233 (0xFF63CF61)
YUV	162.1680, -32.1278, -55.3983
Hunter-Lab	69.3840, -45.2305, 32.2983

Details

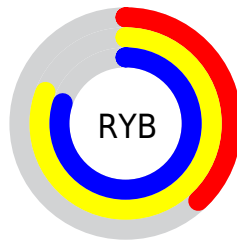
The XYZ color **29.6161, 48.1414, 19.0405** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **40.7165, 26.0351, 61.9134**, and the grayscale version is **34.5782, 36.3789, 39.6166**.

A 20% lighter version of the original color is **55.1696, 80.8901, 41.5598**, and **12.3486, 22.9771, 6.3689** is the 20% darker color. If you saturate the color by 10%, you get **26.8264, 46.8020, 14.5125**, and if you desaturate by 10%, it is **33.2187, 49.8736, 24.9230**.

Distribution



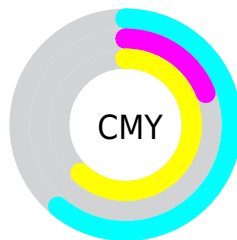
- Red (39%)
- Green (81%)
- Blue (38%)



- Red (38%)
- Yellow (81%)
- Blue (80%)



- Cyan (52%)
- Magenta (0%)
- Yellow (53%)
- Black (19%)



- Cyan (61%)
- Magenta (19%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6161, 48.1414, 19.0405 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.6161, 48.1414, 19.0405 by changing the saturation by 10% instead.

■ 29.6161, 48.1414,
19.0405

■ 29.6161, 48.1414,
19.0405

292.0529,
379.3523, 259.1024

■ 19.6940, 33.9389,
11.5224

■ 58.4453, 87.4149,
42.6401

■ 12.2798, 22.8466,
6.3008

■ 78.0832, 113.2547,
59.5588

■ 7.0081, 14.4803,
2.9571

■ 101.6903,
143.7423, 80.4480

■ 3.5135, 8.4555,
1.0728

■ 129.6321,
179.2622, 105.7265

■ 1.4308, 4.3878,
0.0000

162.2739,
220.1988, 135.8126

■ 0.2780, 1.8927,
0.0000

199.9811,

■ 0.0000, 0.5440,

266.9364, 171.1249

0.0000

243.1190,
319.8594, 212.0820

■ 0.0000, 0.0000,
0.0000

■ 29.6161, 48.1414,
19.0405

■ 29.6161, 48.1414,
19.0405

■ 26.8264, 46.8020,
14.5125

■ 33.2187, 49.8736,
24.9230

■ 24.7834, 45.8194,
11.2284

■ 37.6868, 52.0194,
32.2527

■ 23.4161, 45.1610,
9.0652

■ 43.0729, 54.6053,
41.1180

■ 22.6384, 44.7856,
7.8740

■ 49.4241, 57.6541,
51.5991

■ 22.3609, 44.6519,
7.4401

■ 56.7844, 61.1867,
63.7708

■ 65.1951, 65.2229,
77.7032

■ 74.6951, 69.7814,
93.4624

■ 81.6038, 73.1076,
104.4179

Harmonies

Analogous

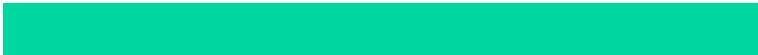
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.0532, 48.1414, 10.3955



29.6161, 48.1414, 19.0405



25.7682, 48.1414, 40.9002

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.6161, 48.1414, 19.0405



41.5354, 48.1414, 155.0548



72.6733, 48.1414, 32.3041

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.6161, 48.1414, 19.0405



40.7165, 26.0351, 61.9134

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0767, 48.1414, 65.9170



29.6161, 48.1414, 19.0405



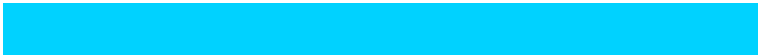
54.4360, 48.1414, 149.0873

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.6161, 48.1414, 19.0405



31.7601, 48.1414, 125.4076



66.9002, 48.1414, 111.6088



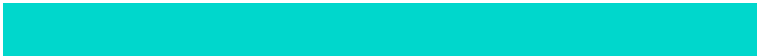
63.3592, 48.1414, 15.2444

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.6161, 48.1414, 19.0405



25.7351, 48.1414, 65.0021



66.9002, 48.1414, 111.6088



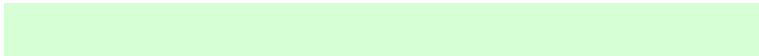
74.1437, 48.1414, 41.5725

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.6173, 48.1434, 19.0416



75.9302, 90.8234, 77.2811



49.3267, 57.0005, 19.7124



15.7920, 19.2191, 15.7818



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.6173, 48.1434, 19.0416



42.3779, 74.7095, 22.2663



32.6159, 49.3179, 35.9572



11.6759, 13.2164, 12.5477



14.0963, 28.1359, 4.6878



0.7953, 1.5769, 0.2624

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.7165, 26.0351, 61.9134



62.0177, 35.5418, 98.1993



35.9811, 24.2050, 34.0819



12.2887, 11.9977, 14.9118



22.6636, 10.8638, 38.0949



1.2741, 0.6110, 2.1303

Previews

White Background



This preview shows how the XYZ color 29.6161, 48.1414, 19.0405 looks on a white background.

Color Contrast Check

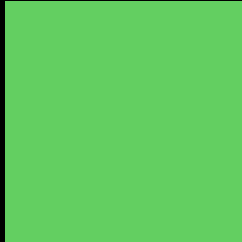
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.6161, 48.1414, 19.0405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

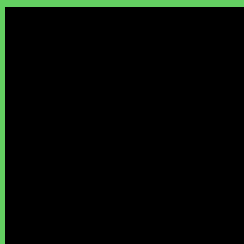
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6161, 48.1414, 19.0405

Background



This preview shows how black text looks on a background with the XYZ color 29.6161, 48.1414, 19.0405.



This preview shows how white text looks on a background with the XYZ color 29.6161, 48.1414,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.6161, 48.1414, 19.0405

Protanopia

43.3653, 47.2848, 16.2925

Deuteranopia

48.3112, 47.3678, 19.9612



Tritanopia

39.5852, 48.0184, 68.8101

Trichromacy



Original Color

29.6161, 48.1414, 19.0405



Protanomaly

36.2985, 46.4713, 17.1819



Deuteranomaly

38.5287, 45.9649, 19.4118



Tritanomaly

34.7494, 47.3940, 45.3467

Monochromacy



Original Color

29.6161, 48.1414, 19.0405



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.1553, 39.1647, 29.9622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6161, 48.1414, 19.0405 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(99, 207, 97)` looks like.

```
.text, #text, p{  
    color:rgb(99, 207, 97)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 207, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 207, 97) }
```

Border

The CSS property to change the border of an element to XYZ 29.6161, 48.1414, 19.0405 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 207, 97) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(99, 207, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(99, 207, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 207, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 207, 97);  
box-shadow:4px 4px 4px 4px rgb(99, 207,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6161, 48.1414, 19.0405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 207, 97) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 207,  
97) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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